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4,750,213 Jun. 7, 1988 L1: 1 of 2
Method and system for editing unwanted program material from broadcast signals

INVENTOR: Albert P. Novak, Box 107, Goldens Bridge, NY 10526
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INT-CL: [4] H04B 17*00
US-CL-ISSUED: 455*67; 358*908, 139
US-CL-CURRENT: 455*67; 358*139, 908
SEARCH-FLD: 455*2, 67, 68, 69, 70; 358*84, 139, 908
REF-CITED:

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PRIM-EXMR: Michael A. Masinick

ABSTRACT:

An improved method and system for the editing of unwanted content from transmitted program material. The system may be operated manually or automatically and its program recognition means may be positioned either locally at the controlled receiver or in a remote location. The system also has expanded editing capability to allow coordinated control of accessory devices and may be programmed without the necessity of an initial reception of unwanted content at the controlled receiver. It also simplifies and improves the reliability of previously disclosed methods for automatic program identification.

8 Claims, 5 Drawing Figures

4,739,398 [IMAGE AVAILABLE] Apr. 19, 1988 L1: 2 of 2
Method, apparatus and system for recognizing broadcast segments

INVENTOR: William L. Thomas, Arapahoe County, CO
Steven J. Sletten, Aurora, CO
John W. Mathews, Jr., Pine, CO
Jeffrey C. Swinehart, Arapahoe County, CO
Michael W. Fellinger, Boulder, CO
John E. Hershey, Boulder, CO
George P. Hyatt, Nederland, CO
Robert F. Kubichek, Nederland, CO

APS/MESSINGER
WORDSEARCH,
7/18/89.

BCH

ASSIGNEE: Control Data Corporation, Bloomington, MN (U.S. corp.)
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SEARCH-FLD: 358*84, 139, 908; 455*2, 67; 382*16, 32, 33
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PRIM-EXMR: Keith E. George

LEGAL-REP: Laurence S. Rogers, Jeffrey H. Ingerman

ABSTRACT:

A method, apparatus and system are provided for recognizing broadcast segments, such as commercials, in real time by continuous pattern recognition without resorting to cues or codes in the broadcast signal. Each broadcast frame is parametrized to yield a digital word and a signature is constructed for segments to be recognized by selecting, in accordance with a set of predefined rules, a number of words from among random locations throughout the segment and storing them along with offset information indicating their relative locations. As a broadcast signal is monitored, it is parametrized in the same way and the library of signatures is compared against each digital word and words offset therefrom by the stored offset amounts. A data reduction technique minimizes the number of comparisons required while still maintaining a large database.

47 Claims, 18 Drawing Figures

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COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.40	2.40

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